

RAW SEQUENCE LISTING

EFS

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/587,193A
Source: IFWP
Date Processed by STIC: 3/20/07

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 03/20/2007

PATENT APPLICATION: US/10/587,193A

TIME: 15:01:06

Input Set : N:\efs\03_20_07\10587193A_efs\5426JS-6_ST25.txt

Output Set: N:\CRF4\03202007\J587193A.raw

head

3 <110> APPLICANT: Japan Science and Technology Agency

5 <120> TITLE OF INVENTION: Genetic markers that link to genes associated with Fusarium

6 blight resistance, and use thereof

8 <130> FILE REFERENCE: 5426JS-6

10 <140> CURRENT APPLICATION NUMBER: 10/587,193A

C--> 11 <141> CURRENT FILING DATE: 2006-07-24

13 <150> PRIOR APPLICATION NUMBER: JP 2004-014839

14 <151> PRIOR FILING DATE: 2004-01-22

16 <150> PRIOR APPLICATION NUMBER: JP 2004-270268

17 <151> PRIOR FILING DATE: 2004-09-16

19 <160> NUMBER OF SEQ ID NOS: 56

21 <170> SOFTWARE: PatentIn version 3.4

23 <210> SEQ ID NO: 1

24 <211> LENGTH: 20

25 <212> TYPE: DNA

26 <213> ORGANISM: Artificial

28 <220> FEATURE:

29 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence

31 <400> SEQUENCE: 1

32 agagatccct gctcagcttg 20

35 <210> SEQ ID NO: 2

36 <211> LENGTH: 20

37 <212> TYPE: DNA

38 <213> ORGANISM: Artificial

40 <220> FEATURE:

41 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence

43 <400> SEQUENCE: 2

44 tcgtattaag gccgcatagg 20

47 <210> SEQ ID NO: 3

48 <211> LENGTH: 20

49 <212> TYPE: DNA

50 <213> ORGANISM: Artificial

52 <220> FEATURE:

53 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence

55 <400> SEQUENCE: 3

56 gcacgtagcg ttcaacatca 20

59 <210> SEQ ID NO: 4

60 <211> LENGTH: 20

61 <212> TYPE: DNA

62 <213> ORGANISM: Artificial

64 <220> FEATURE:

65 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence

67 <400> SEQUENCE: 4

see p. 6

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68 aacttttccc aaccctttcc                                20
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 20
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence
79 <400> SEQUENCE: 5
80 ccgtgtgtcg tctaggtcaa                                20
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 20
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence
91 <400> SEQUENCE: 6
92 caactttggt gggacgtagg                                20
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 20
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence
103 <400> SEQUENCE: 7
104 gttttcgcca tcactcttcc                                20
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 208
109 <212> TYPE: DNA
110 <213> ORGANISM: Hordeum vulgare
112 <400> SEQUENCE: 8
113 gcacgtagcg ttcaacatca catctcatct ttggcaaaag aaatgggtcaa tcggcacact    60
115 ctcagttttt tgcacaaaaa tgtcccatga gaccaccaac atgtgcttcc cgcaatagta    120
117 gtaaacgaac aaagcaatct agaatgcata gtttgtttagc acgaaacagg aaaccatcat    180
119 gcacataaaa cttttcccaa ccctttcc                                208
122 <210> SEQ ID NO: 9
123 <211> LENGTH: 208
124 <212> TYPE: DNA
125 <213> ORGANISM: Hordeum vulgare
127 <400> SEQUENCE: 9
128 gcacgtagcg ttcaacatca catctcatct ttggcaaaag aaatgggtcaa tcggcacact    60
130 ctcagttttt tgcacaaaaa tgtcccatga gaccaccaac atgtgcttcc cgcaatagta    120
132 gtaaacgaac aaagctatct agaatgcata gtttgtttagc acgaaacagg aaaccatcat    180
134 gcacataaaa cttttcccaa ccctttcc                                208
137 <210> SEQ ID NO: 10
138 <211> LENGTH: 335
139 <212> TYPE: DNA
140 <213> ORGANISM: Hordeum vulgare
143 <220> FEATURE:
144 <221> NAME/KEY: misc_feature

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Input Set : N:\efs\03_20_07\10587193A_efs\5426JS-6_ST25.txt

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145 <222> LOCATION: (228)..(228)
146 <223> OTHER INFORMATION: n is a, c, g, or t
148 <220> FEATURE:
149 <221> NAME/KEY: misc_feature
150 <222> LOCATION: (307)..(307)
151 <223> OTHER INFORMATION: n is a, c, g, or t
153 <400> SEQUENCE: 10
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156 gttgtcacct caccatggat tgtggtctcc atcaaaaagtt atttgtgaga gtttcacctc 120
158 tgcagatctg gtggttgact ttggtggcat gatcataact atggacggag tcttgatccg 180
W--> 160 gagggatggg tgtgcgccaa cgaagggtcac attgcatgta attgttcnga tcacggaaga 240
162 gtgatggcga aaacacatga gtgacttcaa tgggtggtgtt acttcagtat ccggtatcaa 300
W--> 164 gcttcanggc aaaagcctac gtcccaccaa agttg 335
167 <210> SEQ ID NO: 11
168 <211> LENGTH: 335
169 <212> TYPE: DNA
170 <213> ORGANISM: Hordeum vulgare
173 <220> FEATURE:
174 <221> NAME/KEY: misc_feature
175 <222> LOCATION: (228)..(228)
176 <223> OTHER INFORMATION: n is a, c, g, or t
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (307)..(307)
181 <223> OTHER INFORMATION: n is a, c, g, or t
183 <400> SEQUENCE: 11
184 ccgtgtgtcg tctaggtcaa ccatgacaac aactacgtgt ggtcgtgact ttggcctgct 60
186 gttgtcacct caccatggat tgtggtctcc atcaaaaagtt atttgtgaga gtttcacctc 120
188 tgcagatctg gtggttgact ttggtggcat gatcataact atggacggag tcttgatccg 180
W--> 190 gagggatggg tgtgcgccaa cgaagggtcac attgcatgta attgttcnga tcacggaaga 240
192 gtgatggcga aaacacatga gtgacttcaa tgggtggtgtt acttcagtat ccggtatcaa 300
W--> 194 gcttcanggc aaaagcctac gtcccaccaa agttg 335
197 <210> SEQ ID NO: 12
198 <211> LENGTH: 254
199 <212> TYPE: DNA
200 <213> ORGANISM: Hordeum vulgare
203 <220> FEATURE:
204 <221> NAME/KEY: misc_feature
205 <222> LOCATION: (228)..(228)
206 <223> OTHER INFORMATION: n is a, c, g, or t
208 <400> SEQUENCE: 12
209 ccgtgtgtcg tctaggtcaa ccatgacaac aactacgtgt ggtcgtgact ttggcctgct 60
211 gttgtcacct caccatggat tgtggtctcc atcaaaaagtt atttgtgaga gtttcacctc 120
213 tgcagatctg gtggttgact ttggtggcat gatcataact atggacggag tcttgatccg 180
W--> 215 gagggatggg tgtgcgccaa cgaagggtcac attgcatgta attgttcnga tcacggaaga 240
217 gtgatggcga aaac
220 <210> SEQ ID NO: 13
221 <211> LENGTH: 254
222 <212> TYPE: DNA

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Output Set: N:\CRF4\03202007\J587193A.raw

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223 <213> ORGANISM: Hordeum vulgare
226 <220> FEATURE:
227 <221> NAME/KEY: misc_feature
228 <222> LOCATION: (228)..(228)
229 <223> OTHER INFORMATION: n is a, c, g, or t
231 <400> SEQUENCE: 13
232 ccgtgtgtcg tctaggtcaa ccatgacaac aactacgtgt ggtcgtgact ttggcctgct      60
234 gttgtcacct caccatggat tgtgggtctcc atcaaaagtt atttgtgaga gtttcacatctc      120
236 tgcagatctg gtggttgact ttggtggcat gatcataact atggacggag tcttgatccg      180
W--> 238 gagggatggt tgtgcggcaa cgaaggtcac attgcatgta attgttcnga tcacggaaga      240
240 gtgatggcga aaac      254
243 <210> SEQ ID NO: 14
244 <211> LENGTH: 17
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence
251 <400> SEQUENCE: 14
252 ctcgtaqact gcgtacc      17
255 <210> SEQ ID NO: 15
256 <211> LENGTH: 18
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence
263 <400> SEQUENCE: 15
264 aattggtacg cagtctac      18
267 <210> SEQ ID NO: 16
268 <211> LENGTH: 16
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence
275 <400> SEQUENCE: 16
276 gacgatgagt cctgag      16
279 <210> SEQ ID NO: 17
280 <211> LENGTH: 14
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence
287 <400> SEQUENCE: 17
288 tactcaggac tcat      14
291 <210> SEQ ID NO: 18
292 <211> LENGTH: 16
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence

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RAW SEQUENCE LISTING

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TIME: 15:01:06

Input Set : N:\efs\03_20_07\10587193A_efs\5426JS-6_ST25.txt

Output Set: N:\CRF4\03202007\J587193A.raw

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299 <400> SEQUENCE: 18
300 gactgcgtac caattc 16
303 <210> SEQ ID NO: 19
304 <211> LENGTH: 16
305 <212> TYPE: DNA
306 <213> ORGANISM: Artificial
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence
311 <400> SEQUENCE: 19
312 gatgagtcct gagtaa 16
315 <210> SEQ ID NO: 20
316 <211> LENGTH: 19
317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence
323 <400> SEQUENCE: 20
324 gactgcgtac caattcccg 19
327 <210> SEQ ID NO: 21
328 <211> LENGTH: 19
329 <212> TYPE: DNA
330 <213> ORGANISM: Artificial
332 <220> FEATURE:
333 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence
335 <400> SEQUENCE: 21
336 gatgagtcct gagtaaacg 19
339 <210> SEQ ID NO: 22
340 <211> LENGTH: 18
341 <212> TYPE: DNA
342 <213> ORGANISM: Artificial
344 <220> FEATURE:
345 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence
347 <400> SEQUENCE: 22
348 ccgttgagaca ggaaggag 18
351 <210> SEQ ID NO: 23
352 <211> LENGTH: 18
353 <212> TYPE: DNA
354 <213> ORGANISM: Artificial
356 <220> FEATURE:
357 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence
359 <400> SEQUENCE: 23
360 cccatagacc ggactggt 18
363 <210> SEQ ID NO: 24
364 <211> LENGTH: 21
365 <212> TYPE: DNA
366 <213> ORGANISM: Artificial
368 <220> FEATURE:
369 <223> OTHER INFORMATION: Artificially Synthesized Primer Sequence
371 <400> SEQUENCE: 24

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/587,193A

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Input Set : N:\efs\03_20_07\10587193A_efs\5426JS-6_ST25.txt
Output Set: N:\CRF4\03202007\J587193A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:10; N Pos. 228, 307
Seq#:11; N Pos. 228, 307
Seq#:12; N Pos. 228
Seq#:13; N Pos. 228
Seq#:48; N Pos. 7, 17, 29, 47, 98
Seq#:49; N Pos. 35, 37
Seq#:50; N Pos. 19
Seq#:56; N Pos. 41

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1, 2, 3, 4, 5, 6, 7, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33
Seq#:34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47

VERIFICATION SUMMARY

DATE: 03/20/2007

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Input Set : N:\efs\03_20_07\10587193A_efs\5426JS-6_ST25.txt

Output Set: N:\CRF4\03202007\J587193A.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:180
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:300
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:180
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:300
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:180
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:180
L:683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:60
L:711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
L:818 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0